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IDD&E Welcomes New Students

IDD&E welcomed 18 new students at its annual orientation on August 26, 2010. The department hosted 8 new Master's students, 1 new CAS student, and 4 new Ph.D. students. Five of the incoming Master's students will be pursuing the department's new IT Master's degree.



Photographs courtesy of Kevin Forgard

Current students also attended the orientation to meet the new students, offer advice, and show off their cooking skills. All of the food was prepared by the current students and faculty from IDD&E.

IDD&E Hosts Back-to-School Barbeque



IDD&E faculty, staff, and students recently shared some quality time together. Dr. Tiffany Koszalka opened her home for the Department barbeque that was held on September 11, 2010. New IDD&E students had the opportunity to interact with faculty in a comfortable setting and to get to know current students as well. Thanks to the hard work of Lori Robinson and Amber Acevedo, who planned the event, a great time was had by all.



Photographs courtesy of Theresa Gilliard-Cook

IDD&E Students in the News

Congratulations go out to **Kevin Forgard**, **Ashley Poor** (M.S. '09), and **Leigh Tolley** who were awarded the CNY BEST *Learning and Performance* Consultant award! The award was given to the group in recognition for their work with SRC, Inc. in helping to find “a cost-effective and unique way to engage all employees as part of SRC’s government contractor annual security training requirement”. Kevin, Ashley, and Leigh helped SRC reach out to their 800+ employees with “interactive training that stimulates the workplace through the eyes of newly hired employees”. For more information on the award please visit http://www.cnyastd.org/cny_best.



Kevin Forgard



Ashley Poor



Leigh Tolley

Congratulations also go out to Ph.D. student **Gwendolyn Maturo-Grasso**! Gwendolyn, along with Dr. Jay Henderson recently won an \$8000 grant for *Launching a Career of Collaborative PK-12 Stem Education*. This project will integrate a PK-12 outreach component into the bioengineering 465/665 curriculum. The project is a collaboration with Maturo-Grasso and Henderson, and the Southeastern Consortium for Minorities in Engineering (SECME) middle school engineering program which LC Smith College of Engineering and Computer Science helps to sponsor each year. It will also lay the groundwork for the educational portion of Dr. Henderson’s Faculty Early Career Development Program (CAREER) proposal. Gwendolyn is also taking a position as an educator in residence at LC Smith. Congratulations Gwendolyn!

In other student news, **John Gonzalez** recently participated in the LearnLab summer school event at Carnegie Mellon University (CMU). As John explains it “The Pittsburgh Science of Learning Center is a joint venture between Carnegie Mellon and the University of Pittsburgh. They are concerned with developing cognitive theory that identifies the instructional conditions of robust learning and transfer. The LearnLab summer school (<http://www.learnlab.org/>) is a yearly summer event where instructional science researchers come to Carnegie Mellon to work on research design, develop cognitive tutors, work with collaborative intelligent agents (computerized help agents), and leverage data mining tools to pursue instructional research.

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While I was there, I worked with a doctoral student from Florida State to design a study exploring the effects of multiple representations and auditory guidance (in the context of fractions) embedded in a cognitive tutor to support robust learning and transfer. We are hoping to collaborate with the faculty and other doctoral students at CMU to implement the study over the next year. It was a really great experience, and I made a lot of connections to fellow doctoral students and faculty working in this type of research. I'd strongly encourage students interested in these topics to consider attending. I was provided with a scholarship, which reduced the cost of attending to driving and lodging expenses."



Nilay Yildirim was also busy this summer participating in a "Workshop on Quasi-Experimental Design and Analysis in Education". According to Nilay, "this workshop was funded by IES (Institute of Education Sciences) and took place at Northwestern University between August 9th and 13th. The workshop was instructed by two well-known expert scholars in the field: Thomas Cook and William Shadish. This workshop's main focus was to help educational researchers improve their quasi-experimental practices. During the workshop, several design strategies were covered, such as adding a non-dependent comparison variable, propensity score matching, interrupted time series, regression discontinuity, etc. The attendees were from all around the country with a variety of backgrounds and professions. I was one of the four graduate students who were lucky enough to be accepted to this workshop. Besides the valuable knowledge I gained through this workshop, I also got the chance to meet and network with some of the brilliant research practitioners and scholars in the field." Click on the following link to see the Powerpoint slides from the workshop and to learn more about good quasi-experimental practices <http://www.northwestern.edu/ipr/events/workshops/qeworkshop-2010index.html>.

Community Building in IDD&E

New to IDD&E this year is a community building project initiated by Master's students Lori Robinson and Amber Acevedo. Lori and Amber have worked hard to bring the department together for social events as well as educational ones. According to Lori and Amber, "we are trying to foster a greater sense of community through social activities to help create strong bonds between not only the students, but also the faculty and staff members in the IDD&E program. There are a number of students (full and part time) in our program and we felt that having social activities where we all could get to know one another outside of class was the key to promoting a stronger sense of belonging in the IDD&E community, especially for the international and part-time students. What better way to learn from one another through casual conversation about our cultures, research interests, prior experiences or goals than an IDD&E Social Event?"

There are plans in the works for future community building activities such as bowling, apple picking, a day trip, and volunteering at a soup kitchen.

If you have any questions or suggestions for building community within IDD&E, please contact Lori Robinson at lrobins@sy.edu or Amber Acevedo at amber.acevedo@gmail.com.

Publications, Presentations, and Seminars

Burris, M., & Koszalka, T. (October 2010). *The effects of indoor environment on the performance of creativity tasks: Instructional design considerations*. AECT, Anaheim, CA.

Dutkowsky, D. H., Evensky, J. M., & **Edmonds, G. S.** (2009). Should a high school adopt advanced placement or a concurrent enrollment program? An expected benefit approach. *Education Finance and Policy* 4:3, 263-277. <http://www.mitpressjournals.org/toc/edfp/4/3>.

Edmonds, G. S., & Signorelli, S. Z. (Eds.). (2010). *Our courses, your classroom: Research on Syracuse University courses in high schools*. Syracuse, NY: Project Advance Press®.

Dr. Alan Foley, recently participated in the Office of Special Education and Rehabilitative Services, United States Department of Education Advisory Commission on Accessible Instructional Materials in Postsecondary Education. Follow the link to learn more about the Advisory Commission on Accessible Instructional Materials in Education for Students with Disabilities <http://bit.ly/a1d7ls>

Dr. Foley was also selected as an Adobe Education Leader and gave an invited talk on Technology for Universal Design at the Adobe Education Leader Institute 2010 in San Jose, California on July 28, 2010.

Koszalka, T. (October 2010). Presidential Session: *ibstpi moving forward*. AECT, Anaheim, CA.

Koszalka, T., Schenck, P., Simcoe, D., & Williams, D. (June 2010). Cutting edge technology panel: *New York Computing and Higher Education Symposium*. Syracuse, NY.

Olson, B., Mata, M., & Koszalka, T. (April 2010). *Online curricula for resident education: Examining the critical factors for success*. Association of Pediatric Program Directors Annual Meeting. Chicago, IL.

Smith, N. L. (2010). Introduction to the forum: Advances in evaluating evaluation theory. *American Journal of Evaluation*, 31, 382.

Smith, N. L. (2010). Characterizing the evaluand in evaluating theory. *American Journal of Evaluation*, 31, 383-389.

Wu, Y., & Koszalka, T. (October 2010). Special Hot Topics presentation: *Instructional design of a Collaborative Engineering Design (CED) environment: Exploring team technology use during virtual collaborative problem solving*. AECT, Anaheim, CA.

Wu, Y., & Koszalka, T. (2011). Instructional design of an advanced interactive discovery environment: Exploring team communication and technology use in collaborative engineering problem solving. In G. Vincenti & J. Braman (Eds.), *Multi-user virtual environments for the classroom: Practical approaches to teaching in virtual worlds*. IGI Global.

IDD&E Faculty in the News

Dr. Jing Lei has recently been awarded a grant from the National Science Foundation for her work on “Achievements and Challenges of Modeling-based Instruction (ACMI) in Science Education from 1980-2008” Dr, Lei is Co-PI on the \$248,000 grant. She is also PI on a \$91, 973.00 subgrant. Congratulations Dr. Lei!

Dr. Tiffany Koszalka has recently been nominated and elected as the new Educational Technology Research & Development (ETR&D) Book Review Editor. Dr. Koszalka says. “ETR&D Book Review Editor is an elected three-year position managed by the Research Editor for ETR&D. The book review editor is responsible for identifying books that merit a review, finding a qualified reviewer, getting a copy of the book sent by the publisher to the reviewer, advising the reviewer of expectations, and doing a final editorial review of the piece. I was elected and have started as the ETR&D Book Review Editor as of September 1, 2010”. Congratulations Dr. Koszalka!

Congratulations also go out to **Dr. Scott Shablak**, Director of OPR&D on his new appointment as Research Professor in the SU School of Education!

Alumni Making Great Strides in Design

Dr. Thomas C. Reeves, Professor Emeritus in the Department of Educational Psychology and Instructional Technology (EPIT) at the University of Georgia, and IDD&E alumnus (M.S. ‘75; Ph.D. ‘79) has won a distinguished book award.

His book, *A Guide to Authentic E-Learning*, by Jan Herrington, **Thomas C. Reeves**, and Ron Oliver, won the 2010 Association for Educational Communications and Technology (AECT: <http://www.aect.org/>) Design and Development Outstanding Book Award. The award will be given at the annual AECT conference in Anaheim, California in October. Professor Herrington from Murdoch University in Australia, Professor Oliver from Edith Cowan University in Australia, and Professor Reeves from the University of Georgia have collaborated for many years on a research agenda focused on authentic tasks and learning in higher education.

This award is not given every year, only when there is a consensus among reviewers that there is a work that is deserving. This year there were five books reviewed for the award and *A Guide to Authentic E-Learning* emerged as the worthy favorite. A panel reviewer commented:

“This is a book that I would purchase and provide to individuals inside and outside my own institution, and one I would expect to see as a staple on the shelves of those involved in online education for years to come.”



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“I found this text refreshing. It included some very good perspectives on definitions, practices, and research... it is one of the first texts that I have read that goes beyond the 'distance education paradigm' and really helps the reader to see how learning with technology should be more than just read and discuss.”

The full citation for the book is:

Herrington, J., Reeves, T. C., & Oliver, R. (2010). *A guide to authentic e-learning*. New York: Routledge.

More information can be found at: <http://www.routledge.com/books/details/9780415998000/>.

Dr. Reeves recently returned from Turkey where he was working for the WHO. Congratulations!

Announcements

The School of Education has made a leap forward in its marketing and publicity communications with the launch this past Summer of the School of Education YouTube Channel: <http://www.youtube.com/suschoolofed>. We want to include some of the projects and research undertaken by students and faculty in IDD&E, so please contact Jennifer Russo at the Dean's office (jhrusso@syr.edu), or IDD&E student **Steve Covello** (steve@apescience.com) if you feel there is something noteworthy for a video featurette. Steve has done all of the video recording, editing, graphic animation, captioning and music composing for the work done this year, with more content in the works! You can also subscribe to the SOE Twitter feed: @SUSchoolofEd

Important Dates and Deadlines

Master's Portfolio Registration Deadline: October 10, 2010

Master's Portfolio due to advisor by November 1, 2010

Doctoral Portfolio Review Registration Deadline: October 31, 2010

Portfolio due to Linda with Approval Sheet signed by advisor by Monday, November 22, 2010.

Faculty Discussion: Thursday, December 9, 2010

Faculty meeting with candidates: Friday, December 10, 2010, 9am-12N (45-minute slots, by appointment, see Linda).

Doctoral Qualifying Examinations will be held in January:

- **Friday, January 7:** **Research**
- **Monday, January 10:** **Design/Development**

The deadline for registration for the January exams is December 1. Please file your intention to take your exams with Linda Tucker.

You must take Research and Design/Development

Call for Information

We are currently gathering material for upcoming IDD&E newsletters, and would like to include updates from staff, students, and alumni. Please send any information you would like included in the IDD&E newsletter to **Jen Reece-Barnes**, IDD&E Newsletter Editor, at jlreeceb@syr.edu.

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